

APPLICANT(S): Steiner et al.,
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AMENDMENTS TO THE CLAIMS

Please amend the claims to read as follows:

1. (Currently amended) An isolated nucleic acid molecule ~~encodes~~ encoding ~~for~~ a human p-Hyd protein, comprising the nucleic acid sequence set forth in SEQ ID No. 1.
- 2-6 (Cancelled)
7. (Currently Amended) The isolated nucleic acid molecule of claim 1, wherein the nucleic acid is DNA ~~[[, or RNA]]~~.
- 8-9 (Cancelled)
10. (Previously amended) The isolated nucleic acid molecule of claim 1, wherein the nucleic acid is labeled with a detectable marker
11. (Previously amended) The isolated nucleic acid molecule of claim 10, wherein the detectable marker is a radioactive, colorimetric, luminescent, fluorescent marker, or gold label.
- 12-17 (cancelled)
18. (Previously amended) A vector comprising the isolated nucleic acid molecule of claim 1.
19. (Currently amended) The vector of claim 18, further comprising ~~[[an]]~~ a regulatory element operatively linked to the nucleic acid molecule.
20. (Previously amended) The vector of claim 19, wherein the regulatory element comprises a bacterial, yeast, insect or mammalian promoter.
21. (Previously amended) The vector of claim 20, wherein the vector is a plasmid, cosmid, yeast artificial chromosome (YAC), bacterial artificial chromosome (BAC), adenovirus, adeno-associated virus, retrovirus, P1, bacteriophage or eukaryotic viral DNA.

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22. (Currently amended) The ~~adenovirus~~ vector of claim 21, wherein the ~~adenovirus~~ said vector is a replication-deficient adenovirus type 5 expression vector.
23. (Previously amended) The adenovirus vector of claim 22, wherein the adenovirus vector comprises an adenovirus genome wherein the p-Hyde gene is inserted within a deletion in the E1 and E3 region of the genome.
24. (Previously amended) The vector of claim 19, wherein the regulatory element is a Rous Sarcoma virus promoter.
25. (Currently amended) A cell ~~host-vector system for the production of a polypeptide which comprises~~ comprising the vector of claim 18 ~~in a suitable host~~
26. (Currently amended) The ~~host vector system~~ cell of claim 25, wherein said cell ~~[[the]] suitable host is a prokaryotic prokaryote or eukaryotic cell~~.
27. (Currently amended) The ~~host-vector system~~ cell of claim ~~[[26]]~~ 25, wherein said ~~the eukaryotic~~ cell is a yeast, insect, plant or mammalian cell.
- 28-54 (cancelled)
55. (Currently amended) ~~[[The]]~~ An isolated nucleic acid molecule ~~of claim 1~~ having comprising a nucleic acid sequence which shares at least 85% identity with complementary to the nucleic acid sequence of SEQ ID NO: 1
56. (Currently amended) ~~[[The]]~~ An isolated nucleic acid molecule ~~of claim 1~~ having comprising a nucleic acid sequence which shares at least 95% identity with complementary to the nucleic acid sequence of SEQ ID NO: 1.
- 57-58 (cancelled)
59. (Previously amended) The isolated nucleic acid molecule of claim 7, wherein said DNA is cDNA or genomic DNA.
60. (Currently amended) ~~[[The]]~~ An isolated nucleic acid ~~molecule of claim 1,~~ encoding an amino acid sequence ~~having~~ comprising the sequence as set for the in SEQ ID NO. 2

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61-63 (cancelled)